IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of

errence C. Pearson

Serial No.

09/902,354

Filed:

July 10, 2001

For:

PLASTIC EXPULSION PROCESS

Attorney Docket No:

GIL 1009 PUS

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Mail Stop DD, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

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SUPPLEMENTAL
DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.56

Assistant Commissioner for Patents Box DD

Washington, D.C. 20231

Sir:

In compliance with 37 C.F.R. § 1.56, the art listed and identified on the attached PTO form is being submitted herewith for consideration by the Examiner. A copy of each of the listed references is included herewith.

It is Applicant's opinion that the claims presently on file patentably distinguish the present invention from each of these references. The above references are being cited only in the interests of candor and without any admission that they constitute statutory prior art or contain matter which anticipates the invention or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art.

GIL 1009 PUS

The Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 50-0476.

Respectfully submitted,

ARTZ & ARTZ

John A. Artz

Registration No. 25,824

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Southfield, MI 48034

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 6

Complete if Known					
Application Number	09/902,354				
Filing Date	July 10, 2001				
First Named Inventor	Terrence C. Pearson				
Art Unit	1732				
Examiner Name	Suzanne E. McDowell				
Attorney Docket Number	GIL 1009 PUS				

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	 	US- 0004 000	10 10 1010	l labara	ga
		^{US-} 2331688	10-12-1943	Hobson	
	ļ	^{US-} 2345144	03-28-1944	Opavsky	
		^{US-} 2714747	08-09-1955	Lindemann	
		^{US-} 2714748	08-09-1955	Stirnemann	
		^{US-} 3021559	02-20-1962	Strong	
		^{US-} 3044118	07-17-1962	Bernhardt	
_		^{US-} 3135640	06-02-1964	Kepka	
*		^{US-} 3687582	08-29-1972	Hendry et al.	
		^{US-} 3966372	06-29-1976	Yasuike et al.	
		^{US-} 4033710	07-05-1977	Hanning	
		^{US-} 4078875	03-14-1978	Eckardt	
		^{US-} 4082226	04-04-1978	Appleman et al.	
		^{US-} 4,091,057	05-23-1978	Weber	
		^{US-} 4,092,389	05-30-1978	Sakurai	
		^{US-} 4,101,617	07-18-1978	Friederich	
		^{US-} 4,104,353	08-01-1978	Monnet	
		^{US-} 4,106,887	08-15-1978	Yasuike et al.	
		^{US-} 4,129,635	12-12-1978	Yasuike et al.	
		^{US-} 4,136,220	01-23-1979	Olabisi	

		FOREIGN	PATENT DOCU	MENTS		
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		JP 06155501	06-03-1994			
		JP 10291227	11-04-1998			~
-		GB 2315040	01-21-1998			
		EP 0 402 730	06-05-1990			
	,	DE 195 31 709 A 1	03-06-1997			
		JP 4-62118			-	

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		Number-Kind Code ^{2 (if known)}	00.00.10=0		- Igaroo / Apodi
		^{US-} 4,140,672	02-20-1979	Kataoka	
		^{US-} 4,234,642	11-18-1980	Olabisi	
		^{US-} 4,247,515	01-27-1981	Olabisi	
		^{US-} 4,255,368	03-1981	Olabisi	
		^{US-} 4,333,608	06-08-1982	Hendry	
		^{US-} 4,357,296	11-02-1982	Hafele	
		^{US-} 4,474,717	10-02-1984	Hendry	
		^{US-} 4,555,225	11-26-1985	Hendry	
		^{US-} 4,601,870	07-22-1986	Sasaki	
		^{US-} 4,604,044	08-05-1986	Hafele	
		^{US-} 4,740,150	04-26-1988	Sayer	
		^{US-} 4,781,554	11-1-1988	Hendry	
•		^{US-} 5,069,859	12-03-1991	Loren	
		^{US-} 5,090,886	02-25-1992	Jaroschek	6
		^{US-} 5,098,637	03-1992	Hendry	j
		^{US-} 5,204,051	04-1993	Jaroschek	
		^{US-} 5,423,667	06-1995	Jaroschek	
		^{US-} 5,928,677	07-27-1999	Gosdin	
		US-			

	FOREIGN PATENT DOCUMENTS							
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		DE 40 33 298	05-02-1991					
		EP 0 309 182	03-29-1989					
		EP 0 309 257	03-29-1989	·				
		EP 0 321 117	06-21-1989		·			
		DE 2651725 B1	04-20-1978					
		DE 2 106 546	08-17-1972					

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Attorney Docket Number	GIL 1009 PUS			

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	-	DE 3444532	06-1986					
		JP 5714968	06-1975			V		
		JP 50-74660	06-1975			~		
		DE 651 725	10-18-1937					
		GB 1 460 101	12-1976					
		GB 1 487 187	09-1977					

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		JP-3009820	01-1991			<u>~</u>
		JP 3-121820	05-1991	-		V
		GB 2 122 130	01-11-1984			
		DE 2 159 344	05-31-1972			
<u> </u>		GB 2 100 661	01-06-1983			
	1	WO 96/34731	11-7-1996			

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		DE 39 13 109 A1	10-25-1990			V			
		GB 2139548	11-14-1984	-					
		FR 2256021	07-1975			~			
		FR 1145411	10-25-1957			V			
		EP 0 289 230	11-02-1988	•					
		EP 0321117	06-21-1989						

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